

```

>CRA|335001101574920 /dataset=FastAlert_P /length=468
  /altid=Derwent|US2003180859.150 /def=30-SEP-2003
  Length = 468

  Score = 668 bits (1706), Expect = 0.0
  Identities = 333/336 (99%), Positives = 334/336 (99%)

  Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120
          DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE
  Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

  Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT 180
          VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT
  Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT 252

  Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240
          LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM
  Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

  Query: 241 MVKYGTTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300
          MVKYGTTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE
  Sbjct: 313 MVKYGTTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

  Query: 301 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360
          AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD
  Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432

  Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396
          LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL
  Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

  >CRA|335001101574920 /dataset=FastAlert_P /length=468
  /altid=Derwent|US2003180858.150 /def=30-SEP-2003
  Length = 468

  Score = 668 bits (1706), Expect = 0.0
  Identities = 333/336 (99%), Positives = 334/336 (99%)

  Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120
          DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE
  Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

  Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT 180
          VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT
  Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT 252

  Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240
          LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM
  Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

  Query: 241 MVKYGTTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300
          MVKYGTTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE
  Sbjct: 313 MVKYGTTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

  Query: 301 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360
          AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD
  Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432

```

Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNP GGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432  
Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180857.150 /def=30-SEP-2003  
Length = 468  
Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)  
Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192  
Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVT PMAAIQDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVT PMAAIQDGLAKGENDETVSNT  
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVT PMAAIQDGLAKGENDETVSNT 252  
Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312  
Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKN KLEKNATDNISKLF PAPSEKSHEETDSTKEE 300  
MVKYGTISPEEGVSYLENLDEMIALQTKN KLEKNATDNISKLF PAPSEKSHEETDSTKEE  
Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKN KLEKNATDNISKLF PAPSEKSHEETDSTKEE 372  
Query: 301 AAKMEKEYGSLKDSTKDDNSNP GGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNP GGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD  
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNP GGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432  
Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180856.150 /def=30-SEP-2003  
Length = 468  
Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)  
Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192  
Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVT PMAAIQDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVT PMAAIQDGLAKGENDETVSNT  
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVT PMAAIQDGLAKGENDETVSNT 252  
Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTTISPEEGVSYLENLDEMIALQTKNKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTTISPEEGVSYLENLDEMIALQTKNKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
Sbjct: 313 MVKYGTTISPEEGVSYLENLDEMIALQTKNKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGKEDYD  
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180855.150 /def=30-SEP-2003  
Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT  
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTTISPEEGVSYLENLDEMIALQTKNKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTTISPEEGVSYLENLDEMIALQTKNKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
Sbjct: 313 MVKYGTTISPEEGVSYLENLDEMIALQTKNKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGKEDYD  
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180854.150 /def=30-SEP-2003  
Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT  
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT 252

Query: 181 LTLLNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKEKETLITIMKTLIDFVKM 240  
LTLLNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKEKETLITIMKTLIDFVKM  
Sbjct: 253 LTLLNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD  
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180853.150 /def=30-SEP-2003  
Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT  
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT 252

Query: 181 LTLLNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKEKETLITIMKTLIDFVKM 240  
LTLLNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKEKETLITIMKTLIDFVKM  
Sbjct: 253 LTLLNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD  
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180852.150 /def=30-SEP-2003  
Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAI QDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAI QDGLAKGENDETVSNT  
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAI QDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD  
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180851.150 /def=30-SEP-2003  
Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAI QDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAI QDGLAKGENDETVSNT  
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAI QDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD  
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL

Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180850.150 /def=30-SEP-2003  
Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120

DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE

Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVPMAAIQDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVPMAAIQDGLAKGENDETVSNT

Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVPMAAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM

Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE

Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD

Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL

Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180849.150 /def=30-SEP-2003  
Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120

DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE

Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVPMAAIQDGLAKGENDETVSNT 180

VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVPMAAIQDGLAKGENDETVSNT

Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVPMAAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM

Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE

Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKDKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKDKGNKEDYD  
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180848.150 /def=30-SEP-2003  
Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAIQDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAIQDGLAKGENDETVSNT  
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKDKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKDKGNKEDYD  
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180847.150 /def=30-SEP-2003  
Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAIQDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAIQDGLAKGENDETVSNT  
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD  
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180846.150 /def=30-SEP-2003  
Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT  
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD  
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180845.150 /def=30-SEP-2003  
Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120

DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAI QDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAI QDGLAKGENDETVSNT

Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAI QDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM

Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE

Sbjct: 313 MVKYGTTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD

Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL

Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180844.150 /def=30-SEP-2003  
Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE

Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAI QDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAI QDGLAKGENDETVSNT

Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAI QDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM

Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE

Sbjct: 313 MVKYGTTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD

Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL

Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468

/altid=Derwent|US2003180843.150 /def=30-SEP-2003  
 Length = 468

Score = 668 bits (1706), Expect = 0.0  
 Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
 Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAAIQDGLAKGENDETVSNT 180  
 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAAIQDGLAKGENDETVSNT  
 Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
 LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
 Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
 Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKDKGNKEDYD 360  
 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKDKGNKEDYD  
 Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
 Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
 /altid=Derwent|US2003180842.150 /def=30-SEP-2003  
 Length = 468

Score = 668 bits (1706), Expect = 0.0  
 Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
 Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAAIQDGLAKGENDETVSNT 180  
 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAAIQDGLAKGENDETVSNT  
 Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMMAAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
 LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
 Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
 Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKDKGNKEDYD 360  
 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKDKGNKEDYD  
 Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180841.150 /def=30-SEP-2003  
Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMAMAIQDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMAMAIQDGLAKGENDETVSNT  
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMAMAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD  
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180840.150 /def=30-SEP-2003  
Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMAMAIQDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMAMAIQDGLAKGENDETVSNT  
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMAMAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTTISPEEGVSYLENLDEMIALQTKNKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTTISPEEGVSYLENLDEMIALQTKNKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
Sbjct: 313 MVKYGTTISPEEGVSYLENLDEMIALQTKNKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD  
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180839.150 /def=30-SEP-2003  
Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPKEVTPMAAIQDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPKEVTPMAAIQDGLAKGENDETVSNT  
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPKEVTPMAAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTTISPEEGVSYLENLDEMIALQTKNKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTTISPEEGVSYLENLDEMIALQTKNKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
Sbjct: 313 MVKYGTTISPEEGVSYLENLDEMIALQTKNKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD  
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180838.150 /def=30-SEP-2003  
Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPKEVTPMAAIQDGLAKGENDETVSNT 180

VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT  
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
Sbjct: 313 MVKYGTTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD  
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180837.150 /def=30-SEP-2003  
Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT  
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
Sbjct: 313 MVKYGTTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD  
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=FastAlert\_P /length=468  
/altid=Derwent|US2003180795.150 /def=30-SEP-2003  
Length = 468

Score = 668 bits (1706), Expect = 0.0

Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMAMAIQDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMAMAIQDGLAKGENDETVSNT  
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTMAMAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTISPEEGVSYLENLDEMIALQTKNKNATDNISKLFPAPSEKSHEETDSTKEE  
Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD  
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

Database: /work/eda/blast/public/FastAlert\_P.fasta

Posted date: Oct 3, 2003 9:38 AM

Number of letters in database: 98,452,735

Number of sequences in database: 427,960

Lambda	K	H
0.308	0.129	0.352

Gapped

Lambda	K	H
0.270	0.0470	0.230

Matrix: BLOSUM62

Gap Penalties: Existence: 11, Extension: 1

Number of Hits to DB: 77552773

Number of Sequences: 427960

Number of extensions: 3346337

Number of successful extensions: 9948

Number of sequences better than 1.0e-08: 224

Number of HSP's better than 0.0 without gapping: 224

Number of HSP's successfully gapped in prelim test: 0

Number of HSP's that attempted gapping in prelim test: 9276

Number of HSP's gapped (non-prelim): 672

length of query: 396

length of database: 98,452,735

effective HSP length: 62

effective length of query: 334

effective length of database: 71,919,215

effective search space: 24021017810

effective search space used: 24021017810

T: 11  
A: 40  
X1: 16 ( 7.1 bits)  
X2: 38 (14.8 bits)  
X3: 64 (24.9 bits)  
S1: 42 (21.6 bits)  
S2: 146 (61.3 bits)

GENESEQP Blast Report:

BLASTP 2.0.14 [Jun-29-2000]

Reference: Altschul, Stephen F., Thomas L. Madden, Alejandro A. Schaffer, Jinghui Zhang, Zheng Zhang, Webb Miller, and David J. Lipman (1997), "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs", Nucleic Acids Res. 25:3389-3402.

Query= CL001241, SEQ ID NO:2, October 9, 2003  
(396 letters)

Database: /work/eda3/blast/public/geneseqp\_all.fasta  
952,616 sequences; 143,563,330 total letters

	Score (bits)	E Value
Sequences producing significant alignments:		
CRA 269810055 /dataset=GENESEQ /org=Homo sapiens /taxon=9606 /m...	674	0.0
CRA 335001101574920 /dataset=GENESEQ /org=Homo sapiens /taxon=9...	668	0.0
CRA 335001101574920 /dataset=GENESEQ /org=Homo sapiens /taxon=9...	668	0.0
CRA 83000042875727 /dataset=GENESEQ /org=Homo sapiens /taxon=96...	668	0.0
CRA 335001101574920 /dataset=GENESEQ /org=Homo sapiens /taxon=9...	668	0.0
CRA 335001101574920 /dataset=GENESEQ /org=Homo sapiens /taxon=9...	668	0.0
CRA 83000042843298 /dataset=GENESEQ /org=Homo sapiens /taxon=96...	666	0.0
CRA 224000006078284 /dataset=GENESEQ /org=Homo sapiens /taxon=9...	629	e-180
CRA 1000734099714 /dataset=GENESEQ /org=Mus musculus /taxon=100...	597	e-170
CRA 224000006085208 /dataset=GENESEQ /org=Homo sapiens /taxon=9...	93	3e-18
CRA 224000006085202 /dataset=GENESEQ /org=Homo sapiens /taxon=9...	73	2e-12
CRA 224000006078282 /dataset=GENESEQ /org=Homo sapiens /taxon=9...	68	1e-10

>CRA|269810055 /dataset=GENESEQ /org=Homo sapiens /taxon=9606  
/mol\_type=aa /date=07-JUL-00 /length=468  
/altid=derwent\_ac|AY81955 /altid=derwent\_id|AY81955  
/def=Human HsgIII protein /patent=WO200017349-A1  
/pat\_section=Claim  
Length = 468

Score = 674 bits (1721), Expect = 0.0  
Identities = 336/336 (100%), Positives = 336/336 (100%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPKEKTPMAAIQDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPKEKTPMAAIQDGLAKGENDETVSNT  
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPKEKTPMAAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
 Sbjct: 253 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312  
  
 Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
 Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372  
  
 Query: 301 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD  
 Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432  
  
 Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
 Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=GENESEQ /org=Homo sapiens /taxon=9606  
 /mol\_type=aa /date=10-DEC-02 /length=468  
 /altid=derwent\_ac|ABG95925 /altid=derwent\_id|ABG95925  
 /def=Human secreted/transmembrane protein PRO5990  
 /patent=US2002119130-A1 /pat\_section=Claim  
 Length = 468

Score = 668 bits (1706), Expect = 0.0  
 Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
 DDPDGLHQLDGTPPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
 Sbjct: 133 DDPDGLHQLDGTPPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192  
  
 Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPKEVTPMAAIQDGLAKGENDETVSNT 180  
 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPKEVTPMAAIQDGLAKGENDETVSNT  
 Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPKEVTPMAAIQDGLAKGENDETVSNT 252  
  
 Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
 LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
 Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
 Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372  
  
 Query: 301 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD  
 Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432  
  
 Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
 Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=GENESEQ /org=Homo sapiens /taxon=9606  
 /mol\_type=aa /date=24-OCT-01 /length=468  
 /altid=derwent\_ac|AAU12216 /altid=derwent\_id|AAU12216  
 /def=Human PRO5990 polypeptide sequence  
 /patent=WO200140466-A2 /pat\_section=Claim

Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE

Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPKVTMMAIQDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPKVTMMAIQDGLAKGENDETVSNT

Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPKVTMMAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM

Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE

Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD

Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL

Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|83000042875727 /dataset=GENESEQ /org=Homo sapiens /taxon=9606  
/mol\_type=aa /date=06-NOV-01 /length=567  
/altid=derwent\_ac|AAO13905 /altid=derwent\_id|AAO13905  
/def=Human polypeptide SEQ ID NO 27797  
/patent=WO200164835-A2 /pat\_section=Claim  
Length = 567

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE

Sbjct: 232 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 291

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPKVTMMAIQDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPKVTMMAIQDGLAKGENDETVSNT

Sbjct: 292 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPKVTMMAIQDGLAKGENDETVSNT 351

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM

Sbjct: 352 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 411

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE

Sbjct: 412 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 471

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360

AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKKGNKEDYD  
Sbjct: 472 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKKGNKEDYD 531

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 532 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 567

>CRA|335001101574920 /dataset=GENESEQ /org=Homo sapiens /taxon=9606  
/mol\_type=aa /date=15-MAY-01 /length=468  
/altid=derwent\_ac|AAB87600 /altid=derwent\_id|AAB87600  
/def=Human PRO5990 /patent=WO200116318-A2  
/pat\_section=Claim  
Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT 180  
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT  
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIKEVTPMAAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
LTLTNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312  
Sbjct: 253 LTLTNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNKLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
MVKYGTISPEEGVSYLENLDEMIALQTKNKLEKNATDNISKLFPAPSEKSHEETDSTKEE  
Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNKLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKKGNKEDYD 360  
AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKKGNKEDYD 432  
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKKGNKEDYD

Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|335001101574920 /dataset=GENESEQ /org=Homo sapiens /taxon=9606  
/mol\_type=aa /date=08-FEB-01 /length=468  
/altid=derwent\_ac|AAB18926 /altid=derwent\_id|AAB18926  
/def=A novel polypeptide designated PRO5990  
/patent=WO200056889-A2 /pat\_section=Claim  
Length = 468

Score = 668 bits (1706), Expect = 0.0  
Identities = 333/336 (99%), Positives = 334/336 (99%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKYPEKVTMMAAIQDGLAKGENDETVSNT 180  
 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKYPEKVTMMAAIQDGLAKGENDETVSNT  
 Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKYPEKVTMMAAIQDGLAKGENDETVSNT 252  
  
 Query: 181 LTLLNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
 LTLLNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
 Sbjct: 253 LTLLNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312  
  
 Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
 Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372  
  
 Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD  
 Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432  
  
 Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
 Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|83000042843298 /dataset=GENESEQ /org=Homo sapiens /taxon=9606  
 /mol\_type=aa /date=06-NOV-01 /length=468  
 /altid=derwent\_ac|AAM93910 /altid=derwent\_id|AAM93910  
 /def=Human polypeptide, SEQ ID NO: 4061  
 /patent=EP1130094-A2 /pat\_section=Claim  
 Length = 468

Score = 666 bits (1699), Expect = 0.0  
 Identities = 332/336 (98%), Positives = 333/336 (98%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120  
 DDPDGLHQLDGTPLTAE IVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE  
 Sbjct: 133 DDPDGLHQLDGTPLTAEGIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192  
  
 Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKYPEKVTMMAAIQDGLAKGENDETVSNT 180  
 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKYPEKVTMMAAIQDGLAKGENDETVSNT  
 Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKYPEKVTMMAAIQDGLAKGENDETVSNT 252  
  
 Query: 181 LTLLNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240  
 LTLLNGLERRTKTYSEDNF + QYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM  
 Sbjct: 253 LTLLNGLERRTKTYSEDNFEELQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312  
  
 Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300  
 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE  
 Sbjct: 313 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372  
  
 Query: 301 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 360  
 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD  
 Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGTEAYLEAIRKNIEWLKKHDKGNKEDYD 432  
  
 Query: 361 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396  
 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL  
 Sbjct: 433 LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 468

>CRA|224000006078284 /dataset=GENESEQ /org=Homo sapiens /taxon=9606

```

/mol_type=aa /date=13-FEB-02 /length=470
/altid=derwent_ac|ABG12976 /altid=derwent_id|ABG12976
/def=Novel human diagnostic protein #12967
/patent=WO200175067-A2 /pat_section=Claim
Length = 470

Score = 629 bits (1605), Expect = e-180
Identities = 318/338 (94%), Positives = 323/338 (95%), Gaps = 2/338 (0%)

Query: 61 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 120
DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE
Sbjct: 133 DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLNLGLITESQAHTLEDE 192

Query: 121 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTPMAAIQDGLAKGENDETVSNT 180
VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTPMAAIQDGLAKGENDETVSNT
Sbjct: 193 VAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTPMAAIQDGLAKGENDETVSNT 252

Query: 181 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 240
LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM
Sbjct: 253 LTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKETLITIMKTLIDFVKM 312

Query: 241 MVKYGTISPEEGVSYLENLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 300
MVKYGTISPEEGVSYLE LDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE
Sbjct: 313 MVKYGTISPEEGVSYLEGLDEMIALQTKNLEKNATDNISKLFPAPSEKSHEETDSTKEE 372

Query: 301 AAKMEKEYGSLKDSTKDDNSNP GGKTDEPKGKTEAYL-EAIRKNIEWLKKHDKGNKEDY 359
AAKMEKEYGSLKDSTKDDNSNP GGKTDEPKGK + + + IRKNIEWLKKHDKGNKEDY
Sbjct: 373 AAKMEKEYGSLKDSTKDDNSNP GGKTDEPKGNRSPWKPIRKNIEWLKKHDKGNKEDY 432

Query: 360 D-LSKMRDFINKQADAYVEKGILDKEEAEAIKRIYSSL 396
D + N +ADAYVEKGILDKEEAEAIKRIYSSL
Sbjct: 433 DPFQRXEVSFNNKADAYVEKGILDKEEAEAIKRIYSSL 470

```

```

>CRA|1000734099714 /dataset=GENESEQ /org=Mus musculus /taxon=10090
/mol_type=aa /date=07-MAR-02 /length=471
/altid=derwent_ac|ABB57046 /altid=derwent_id|ABB57046
/def=Mouse ischaemic condition related protein sequence
SEQ ID NO:70 /patent=WO200188188-A2 /pat_section=Claim
Length = 471

Score = 597 bits (1523), Expect = e-170
Identities = 332/471 (70%), Positives = 349/471 (73%), Gaps = 75/471 (15%)

Query: 1 MGFLGTGTWILVLVL---PIQ-----A 19
MGFL TG+WILVLVL PIQ A
Sbjct: 1 MGFLWTGSGWILVLVLNSGPIQAFPKPEGSQDKSLHNRELSAERPLNEQIAEAEADKIKKA 60

Query: 20 FP---KPGGSQDKSLHNREL-----SAER-----PLNEQ--IAEAEEDKIKKY 58
FP KP S S+ N L ER P + Q + +A+ K +K
Sbjct: 61 FPSESKPSESNYSSVDNLNLRAITEKETVEKERQSIRSPPFDNQLNVEDADSTKNRKL 120

Query: 59 PP-----DDPDGLHQLDGTPLTAEDIVHKIAARIYEENDRAVFDKIVSKLLN 105
DDPDGLHQLDGTPLTAEDIVHKIA RIYEENDR VFDFKIVSKLLN
Sbjct: 121 DEYDSTKSGLDHKFQDDPDGLHQLDGTPLTAEDIVHKIA TRIYEENDRGVFDKIVSKLLN 180

Query: 106 LGLITESQAHTLEDEVAEVLQKLISKEANNYEEDPNKPTSWTENQAGKIPEKVTPMAAIQ 165

```

LGLITESQAHTLEDEVAE LQKLISKEANNYEE +KPTS TENQ GKIPEKVTP+AA+Q  
 Sbjct: 181 LGLITESQAHTLEDEVAEALQKLISKEANNYEETLDKPTSRTEQDGKIPEKVTPVAAVQ 240

 Query: 166 DGLAKGENDETVSNTLTNGLERRTKTYSEDNFRDFQYFPNFYALLKSIDSEKEAKEKE 225  
 DG ENDETVSNTLTL+NGLERRT + ED+F + QYFPNFYALL SIDSEKEAKEKE  
 Sbjct: 241 DGFTNRENDETVSNTTLSNGLERRTNPHREDDFEELQYFPNFYALLTSIDSEKEAKEKE 300

 Query: 226 TLITIMKTLIDFVKMMVKYGTISPEEGVSYLENLDEMIALQTKNKNLEKNATDNISKLFPA 285  
 TLITIMKTLIDFVKMMVKYGTISPEEGVSYLENLDE IALQTKNKNLEKN TD+ SKLFPA  
 Sbjct: 301 TLITIMKTLIDFVKMMVKYGTISPEEGVSYLENLDEIALQTKNKNLEKNTTDSKSKLFPA 360

 Query: 286 PSEKSHEETDSTKEEAKMEKEYGSLKDSTKDDNSNPGGKTDEPKGKTEAYLEAIRKNIE 345  
 P EKS EETDSTKEEAKMEKEYGSLKDSTKDDNSN GGKTDE GKTEAYLEAIRKNIE  
 Sbjct: 361 PPEKSQEETDSTKEEAKMEKEYGSLKDSTKDDNSNLGGKTDEATGKTEAYLEAIRKNIE 420

 Query: 346 WLKKHDKGNKEDYDLSKMRDFINKQADAYVEKGILDKEEAIKRIYSSL 396  
 WLKKH+KKGKEDYDLSKMRDFIN+QADAYVEKGILDKEEA AIKRIYSSL  
 Sbjct: 421 WLKKHNKGNKEDYDLSKMRDFINQQADAYVEKGILDKEEAIKRIYSSL 471

>CRA|224000006085208 /dataset=GENESEQ /org=Homo sapiens  
 /taxon=9606 /mol\_type=aa /date=18-FEB-02 /length=316  
 /altid=derwent\_ac|ABG14006 /altid=derwent\_id|ABG14006  
 /def=Novel human diagnostic protein #13997  
 /patent=WO200175067-A2 /pat\_section=Claim  
 Length = 316

Score = 92.8 bits (227), Expect = 3e-18  
 Identities = 48/68 (70%), Positives = 52/68 (75%), Gaps = 3/68 (4%)

Query: 1 MGFLGTGTWILVLVLPQAFPKPGSQDKSLHNRE-LSAERP--LNEQIAEAEEDKIKKT 57  
 MGFLGTGTWILVLVLPQAFPKPGSQDKSLH E LSAERP LN + + KKT  
 Sbjct: 8 MGFLGTGTWILVLVLPQAFPKPGSQDKSLHXXEDLSAERPFLNRLLEAEGRTRFKKT 67

Query: 58 YPPDDPDG 65  
 YPP++ G  
 Sbjct: 68 YPPENKPG 75

>CRA|224000006085202 /dataset=GENESEQ /org=Homo sapiens  
 /taxon=9606 /mol\_type=aa /date=18-FEB-02 /length=212  
 /altid=derwent\_ac|ABG14003 /altid=derwent\_id|ABG14003  
 /def=Novel human diagnostic protein #13994  
 /patent=WO200175067-A2 /pat\_section=Claim  
 Length = 212

Score = 73.4 bits (177), Expect = 2e-12  
 Identities = 34/38 (89%), Positives = 36/38 (94%)

Query: 28 DKSLHNRELSAERPLNEQIAEAEEDKIKKTYPPDDPDG 65  
 DKSLHNRELSAERPLNEQIAEAEEDKIKKTYPP++ G  
 Sbjct: 25 DKSLHNRELSAERPLNEQIAEAEEDKIKKTYPPENKPG 62

>CRA|224000006078282 /dataset=GENESEQ /org=Homo sapiens /taxon=9606  
 /mol\_type=aa /date=13-FEB-02 /length=309  
 /altid=derwent\_ac|ABG12975 /altid=derwent\_id|ABG12975